



*Kemiko
Industrial
Coatings*

TECHNICAL BULLETIN

KEMIKO® (STA CRETE) SS3500 100% Solids High Gloss Self-Leveling Epoxy Coating

Description

KEMIKO® SS3500 is a pigmented, two component, abrasion resistant epoxy coating that offers excellent adhesion to steel and concrete, is user friendly, and cures to a very hard resilient high-gloss film. This product can be applied as a primer/finish on most interior surfaces. KEMIKO® SS3500 is non-blushing in high humidity, cures overnight and is available in many colors. According to United States Department of Agriculture guidelines, this coating has been determined to be chemically acceptable for application to structural surfaces where there is a possibility of incidental food contact in official establishments operating under the Federal Meat and Poultry Products Inspection Program.

Applications

KEMIKO® SS3500 is applied to properly prepared concrete, FRP, metals and utilized as a resilient protective coating for chemical containment, abrasion resistance, and as a complete 0-VOC exterior coating system. Typical applications include hospital and food processing floors, petrochemical & chemical secondary containment, warehouse flooring, showroom floors, and many other surfaces requiring excellent physical and chemical properties, and environmentally compliant application.

Physical Characteristics

VOC	Maximum 50 g/l
Volume Solids	100%
Packaging	.8 & 5.03 gallon kits
Flash Point	>200°F.
Gloss	High Gloss
Mix Ratio	2:1 (A:B) by volume
Get Time	45 minutes at 70°F. (100 gram mass)
Pot Life (100 gm mass)	1/2 hour
Dry Time	@70°F., 50% RH Recoat within 4-24 hours. Full cure in 5-days (chemical resist.) 50°F. min. 16-hours - max. 72-hours. 70°F. min. 8-hours - max. 24-hours. 90°F. min. 4-hours - max. 12-hours.
Film Thickness	3-100 mils
Coverage	160 ft ² per gallon @10 mils DFT
Thinning	None required. Acetone or PCBTF for clean-up.
Primers	Self priming on most surfaces, KEMIKO® SS1600, KEMIKO® SS3700, & KEMIKO® SS3800.
Colors	Various – See color chart.
Topcoats	KEMIKO® SS2700 Polyurethane (for exterior UV, color and gloss retention), KEMIKO® SS3300 Polyaspartic.

Surface Preparation

Concrete –

All visible oil, grease, sludge, and any other contaminants shall be removed prior to any abrasive surface preparation, acid etching and water washing. Surface shall be cured, dry and free from alkali stain and laitance. Prepare surfaces in accordance with SSPC-SP7 Brush-Off Blast Cleaning or use Blas-Trac for long term adhesion and non-slip surface on floors.



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Surface Preparation Cont.

Metals –

All visible oil, grease, sludge, and any other contaminants shall be removed prior to any abrasive surface preparation. Prepare carbon steel in accordance with SSPC-SP6 and achieve 1-2 mil surface profile. Small surfaces may be prepared in accordance with SSPC-SP2 and SSPC-SP3 followed by SSPC-SP1.

Application Methods

Mixing –

Mix base component until a homogeneous mixture is obtained. Next, pour activator into base component and mix using mechanical jiffy mixer for 2-3 minutes. Scrape the container sides and make sure that all material is thoroughly mixed. Pouring mixed material into a clean container and re-mixing insures complete reaction of epoxy coating.

Brush –

Use top-quality china bristle brush for best film properties.

Roller –

Lambswool or similar cover with phenolic core, ¼ - ½ inch nap thickness.

Spray –

Conventional – Use galvanized or other alloy metal pressure tanks with dual regulation and standard duty agitation, Binks '2001' spray gun, #66 fluid nozzle, #66SD air cap, #565 fluid needle, Teflon fluid packing, 3/8" or larger solvent resistant fluid line and ¼" or larger air supply line. Adjust air and material pressure to the lowest possible setting that allows proper atomization.

Airless Spray –

Use Graco 40:1 airless equipment or equal designed for spraying high solids coatings. Use Binks 'Airless 1' spray gun with reverse-a-clean .019-.021 spray tips, 3/8" or larger solvent resistant fluid line with ¼" or larger air supply line. Adjust pump pressure to the lowest possible setting that allows proper atomization.

Environment –

Apply between 50°F. – 100°F. and 5°F. above dew point.

CAUTION –

May cause skin irritation. Avoid skin contact. If contact occurs, wash with soap and water at first opportunity.

Contact EPMAR for any additional application information.

Warranty

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product, which is proved to be defective. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.

Service is part of our formula

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